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Dated: 1/30/06

Signature: Valerie J. Sarosky

(Valerie J. Sarosky)

Docket No.: AFMX-P01-023  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Warrington et al.

Application No.: 10/028482

Confirmation No.: 2372

Filed: December 21, 2001

Art Unit: 1631

For: HIGH THROUGHPUT RESEQUENCING AND  
VARIATION DETECTION USING HIGH  
DENSITY MICROARRAYS

Examiner: C. L. Smith

**AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INTRODUCTORY COMMENTS**

In response to the Office Action dated July 28, 2005, please amend the above-identified U.S. patent application as indicated below. A Petition for Extension of Time, along with the appropriate fee, are being filed concurrently herewith.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 5 of this paper.